



Mio 136

User's Manual



US/Canada Version

R01

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Note

The information in this manual is subject to change without notice.



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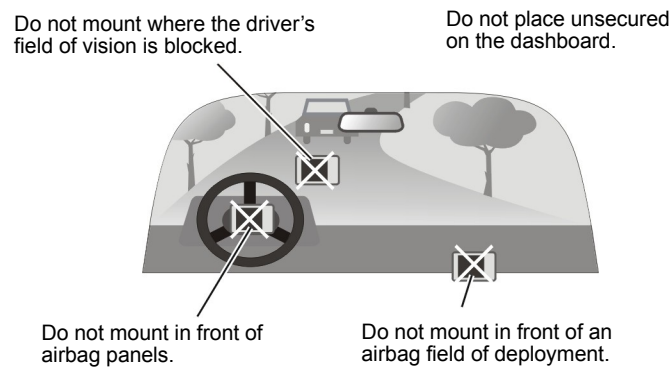


Before You Begin

Precautions and Notices

- For your own safety, do not operate the controls of the product while driving.
- Use this product prudently. The product is intended to be used only as a navigation aid. It is not for precise measurement of direction, distance, location or topography.
- The calculated route is for reference only. It is the user's responsibility to follow the traffic signs and local regulations along the roads.
- When you get off the car, do not leave your device on the dashboard that is subject to direct sunlight. The overheating of the battery can cause malfunction and/or danger.
- GPS is operated by the United States government, which is solely responsible for the performance of GPS. Any change to the GPS system can affect the accuracy of all GPS equipments.
- GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available.
- A minimum of 4 GPS satellite signals is needed to determine current GPS position. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (e.g. trees and tall buildings).
- The wireless devices might interfere the reception of satellite signals and cause the reception of the signal to be unstable. For better signal reception, it is recommended that you use a car antenna (option).

- A car holder is needed when using the device in a car. It is recommended that you place the device in an appropriate place, so as not to obstruct the driver's view, or deployment of airbags.



Overview

GPS Navigation Features

- Electronic maps with roads, freeways, highways, railways, rivers, lakes, points of interest, etc.
- GPS positioning
- Optimal route calculation and trip plan
- Friendly and efficient navigation with turn-by-turn, voice, and visual guidance
- Various ways for searching a location on the map
 - ≡ Using a known address
 - ≡ Using a POI (point of interest)
 - ≡ Using Favorites (personal stored locations)
 - ≡ Using History (previous destinations)
- Recording and playback of journeys

- Viewing modes for different needs and situations:
 - ≡ 2D or 3D
 - ≡ Daytime or nighttime view
 - ≡ Turn-by-turn view of the route
 - ≡ Driving direction of the route

Other Features

- **MP3 Player:** playing MP3 music.

About this Manual

This manual is divided into four major parts:

- **Part I “Basic Operations”** (Chapters 1 to 3) tells you how to get your device running and customize system settings.
- **Part II “GPS Navigation”** (Chapters 4 to 8) tells you how to use the GSP navigation functions.
- **Part III “More Tools”** (Chapters 9 and 10) introduces MP3 Player and data transfer tools.
- **Part IV “References”** (Chapter 10 and Appendix A) gives guidelines on troubleshooting and maintenance and provides the regulatory information.



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Part I. Basic Operations

Part I guides you through the process of getting your device running, familiarizes you with the external components, and tells you how to customize system settings.



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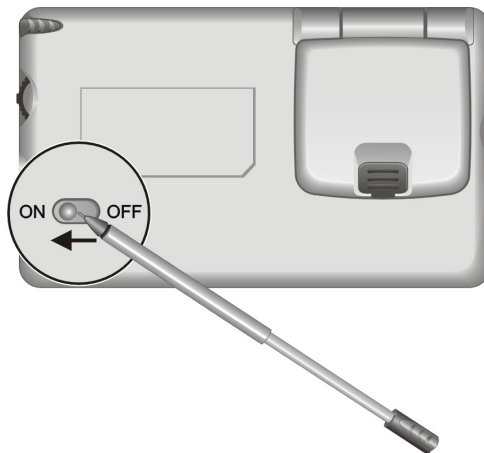
1 Getting Started

This chapter tells you step by step how to perform the initial startup and introduces you to the external components of your device.

1.1 Setting the ON/OFF Switch

The ON/OFF switch should be set to the ON position for normal operation. Pull out the stylus pen and use it to slide the ON/OFF switch to the ON (left) position.

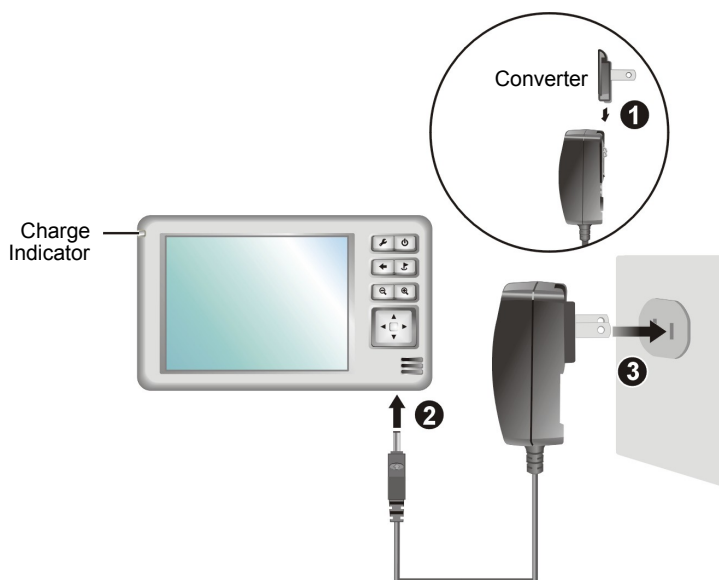
| CAUTION: Always leave the ON/OFF switch in the ON position for normal operation.



1.2 Connecting to AC Power and Charging the Battery

Fully charge the battery before using your device for the first time.

1. Slide and click the connector converter onto the AC adapter.
2. Connect the adapter cable to the bottom of your device.
3. Plug the AC adapter into a wall outlet.



The charge indicator glows amber when charging is in progress. Do not disconnect your device from AC power until the battery is fully charged, when the charge indicator turns green. This will take a couple of hours.

1.3 Using Your Device in a Vehicle

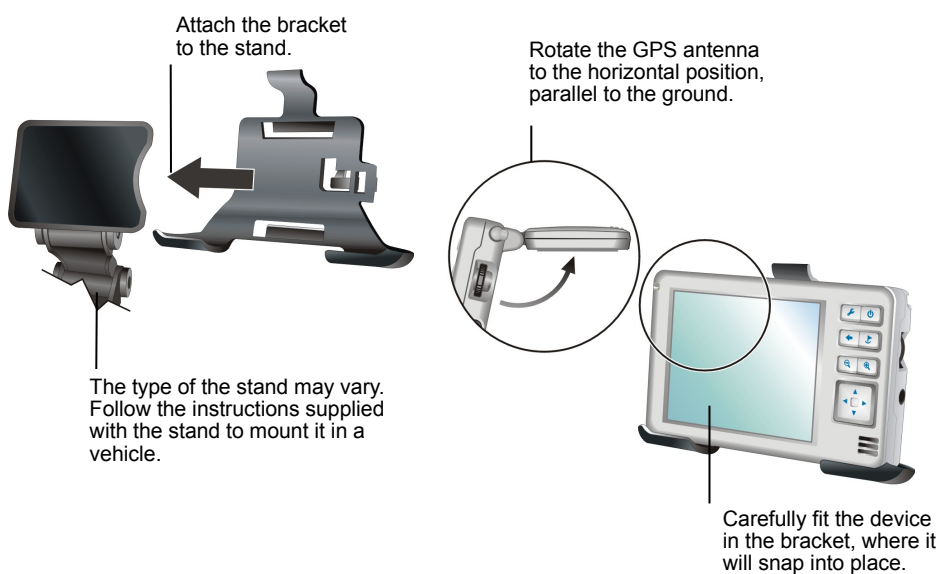
A car holder and a car charger are supplied with your device.

Using the Car Holder

CAUTION:

- Select an appropriate location for the car holder. Never place the holder where the driver's field of vision is blocked.
- If the car's windshield is tinted with a reflective coating, an external antenna (optional) may be needed to route the antenna to the top of the car through a window. When closing the car window, be careful not to pinch the antenna cable. (Cars with an anti-jam window design may automatically leave adequate space as needed.)

The car holder consists of a bracket and a dashboard stand. Use the car holder to mount your device in a vehicle.



Connecting the Car Charger

The car charger supplies power to your device when you are using the device in a car.

CAUTION: To protect your device against sudden surges in current, connect the car charger only after the car engine has been started.

1. Connect one end of the car charger to the power connector of your device.
2. Connect the other end to the cigarette lighter in the car to power and charge your device.









1.4 Understanding Hardware Features

NOTE: Depending upon the specific model purchased, the color of your device may not exactly match the device shown in this manual.

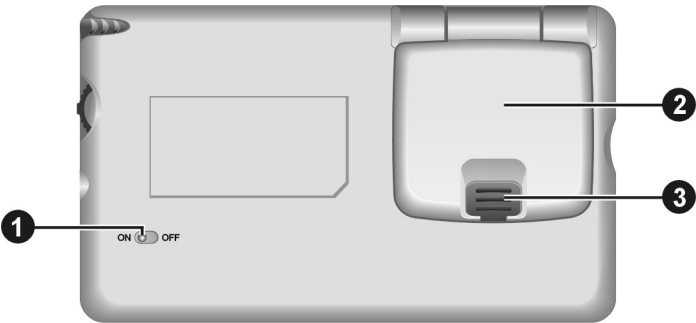
1.1

Front Components



Ref	Component	Description	See Also
❶	Charge Indicator	Glows bright amber to indicate that the battery is charging, and turns green when the battery is fully charged.	Section 1.2
❷	Touch Screen	Displays the output of your device. Tap the screen with the stylus pen to select menu commands or enter information.	
❸	Hardware Buttons	<div><div> Power On/Off</div><div> System Settings</div><div> Navigation Settings</div><div> Back</div><div> Zoom In</div><div> Zoom Out</div></div>	<div>Section 2.1</div> <div>Chapter 3</div> <div>Chapters 4-7</div> <div>Section 2.2</div> <div>Section 4.2</div> <div>Section 4.2</div>
❹	Navigation Pad	<div>Moves up, down, left or right by pressing the corresponding area of the pad.</div> <div>Selects highlighted item by pressing in the center.</div>	Section 2.2
❺	Speaker	Sends out music, sounds and voice.	

Back Components



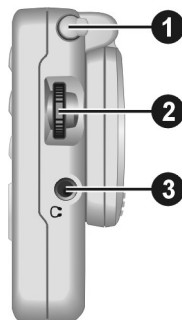
Ref	Component	Description	See Also
❶	ON/OFF Switch	The main power/battery cutoff switch.	Section 1.1
❷	GPS Antenna	Receives signals from the GPS satellites overhead. It should be lifted up to the horizontal position for normal operation.	Section 4.2
❸	External Antenna Connector	This connector (under rubber dust cover) allows use of an optional external antenna with magnetic mount, which may be positioned on top of the car for better signal reception in areas with poor reception.	

Left-Side Components



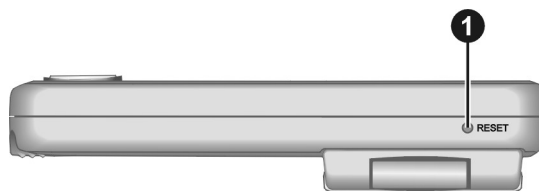
Ref	Component	Description	See Also
①	SD/MMC Slot	Accepts a SD (Secure Digital) or MMC (MultiMediaCard) card for accessing data such as maps and MP3 music. NOTE: Before using GPS navigation software and maps, you need to insert the storage card included with your device. Do not remove the card during GPS operation.	Section 4.1

Right-Side Components



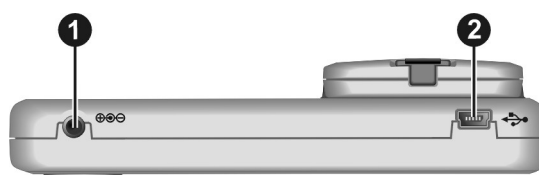
Ref	Component	Description	See Also
①	Stylus Pen	Tap on the touch screen to make selections and enter information. Pull the stylus pen out of its slot to use it, and store it in the slot when not in use.	Section 2.2
②	Volume Control	Adjusts the volume level of your device.	Section 2.2
③	Headphone Connector	Connects to stereo headphones.	

Top Components



Ref	Component	Description	See Also
①	Reset Button	Restarts your device (soft reset).	Section 11.1

Bottom Components



Ref	Component	Description	See Also
①	Power Connector	Connects to the AC adapter.	Section 1.2
②	Mini-USB Connector	Connects to the computer for data transfer.	Section 10.2



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5.



2 Basic Skills

This chapter guides you through the process of using your device and familiarizes you with the basic operations such as using the stylus pen, navigation pad, and the volume control.

2.1 Turning On and Off Your Device

Use the power button  on the front of your device to turn on and off your device.

When you turn on the device for the first time, the Main screen appears as shown below. There are three buttons on the Main screen: **Settings**, **Navigation**, and **MP3 Player**. Each button represents a function or feature. To use a function, just tap the corresponding button. (For more information, refer to the following chapters.)



When you press the power button to turn off the unit, your device actually enters a suspend state and the system stops operating. Once you turn on the system again, it resumes.

2.2 Operating Your Device



Back Components



Left-Side Components



Right-Side Components



Top Components









Bottom Components



To operate your device, use the hardware buttons and/or the stylus pen.

Using Hardware Buttons

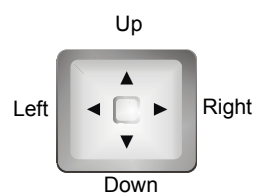
Button	Name	Description	See Also
	Power On/Off	Turns on and off the device.	Section 2.1
	System Settings	Opens the Settings screen where you can configure the settings for your device.	Chapter 3
	Navigation Settings *	Access to 22 different navigation related tools categorized under Destinate , View and Options menu screens. Press button repeatedly to cycle through the available menus.	Chapters 4-7
	Back	Goes back to the previous screen. Goes to the map screen while in a Navigation Settings screen.	
	Zoom In *	Increases the map scale.	Section 4.1
	Zoom Out *	Decreases the map scale.	Section 4.1

* **Table Note:** This button works only when running the navigation software.

Using the Navigation Pad

With the navigation pad, you can move up, down, left and right within a menu.

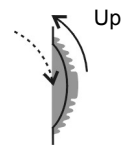
To move in a direction, simply press the corresponding arrow on the button. To activate the selected item, press the center of the button.



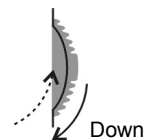
Using the Volume Control

The system provides you with five volume levels (from mute to the maximum). When you use the volume control at the right side of the device to adjust volume, bar(s) will appear on the screen indicating the current volume level.

- **To increase the volume**
Rotate the volume control upward and then release.



- **To decrease the volume**
Rotate the volume control downward and then release.



Stylus Pen



The stylus pen is your input device. You use it to select objects such as command and option on the screen.

Pull the stylus pen out of the slot and extend it for ease of use. Store it in the slot when not in use.

You can use the stylus pen to do the following actions:

- **Tap**
Touch the screen once with the stylus pen to open items or select options.
- **Drag**
Hold the stylus pen on the screen and drag up/down/left/right or across the screen.
- **Tap and hold**
Tap and hold the stylus until an action is complete, or a result or menu is shown.



2.1

20






System Settings

Your device is supplied with default settings. You may also customize the settings to suit your personal needs. Once you change settings, your new settings will remain until either you change them again, or until battery cutoff switch is turned off and then back on again, which resets the unit to factory defaults.

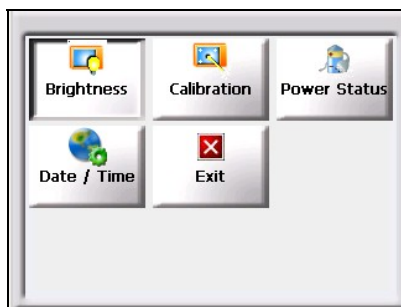
3.1 Using System Settings

You have two ways to open the Settings screen:


- Press the **Settings** button  on your device.
- Tap the **Settings** button on the Main screen.

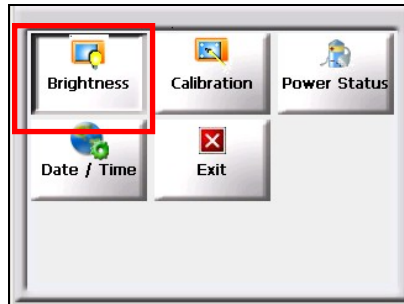



The Settings screen contains five buttons as shown below. The following sections describe these five buttons and their functions.



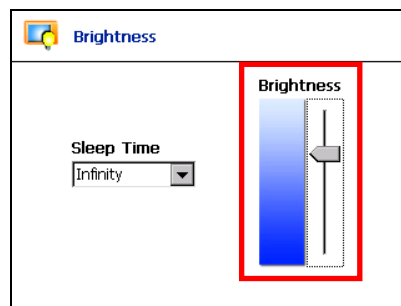
3.2 Brightness

1. Press the **Settings** button  on your device or tap **Settings** on the Main screen.
2. Tap the **Brightness** button on the Settings screen.



3. After you have made changes (as described later), press the Back button  to save the changes and exit the screen.

Adjusting the Brightness

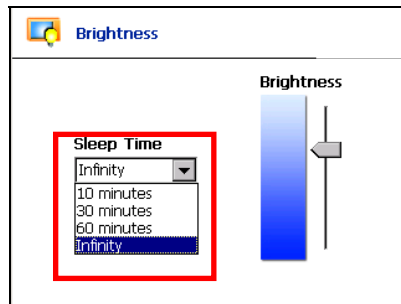


Move the slider along the track bar to adjust.

- To darken the screen, move the slider downward.
- To lighten the screen, move the slider upward.

Setting the Sleep Time


You can set a timer to automatically turn off your device when it is idle for a set period of time.

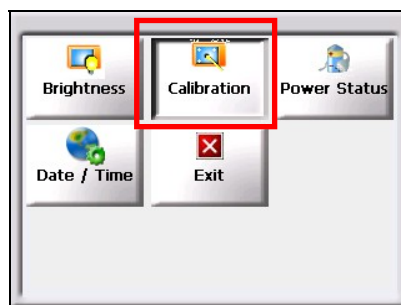


Tap the **Sleep Time** box and select the time. The options are **10 minutes**, **30 Minutes**, **60 Minutes**, and **Infinity**.

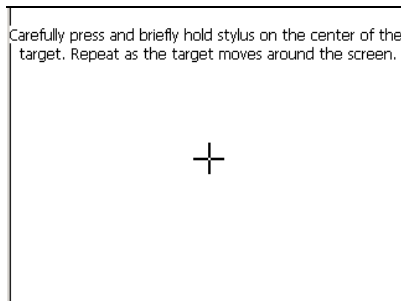
3.3 Calibration

You can calibrate the touch screen if it is not responding accurately to your stylus pen taps.

1. Press the **Settings** button  on your device or tap **Settings** on the Main screen.
2. Tap the **Calibration** button on the Settings screen.




3. Tap and hold the center of the target.

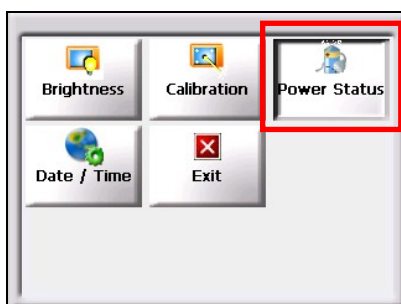


4. When the target moves to another position, tap and hold at the center of the new target. Repeat each time to complete the calibration process.
5. When completed, tap anywhere on the screen.

3.4 Power Status

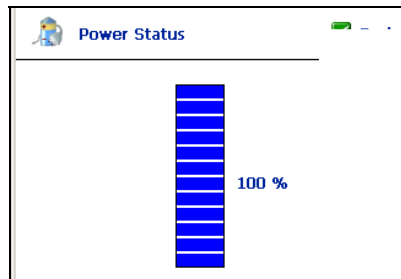
To check the remaining power level of your battery:

1. Press the **Settings** button  on your device or tap **Settings** on the Main screen.
2. Tap the **Power Status** button on the Settings screen.



3. The Power Status screen will appear showing the remaining power of your battery.


NOTE: If the level of power is too low, be sure to charge the battery with the AC adapter or the car charger.

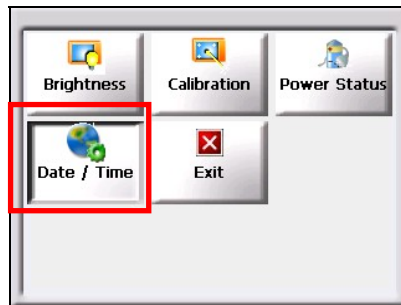


4. Press the Back button  to exit the screen.

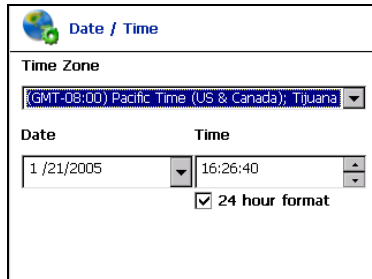
3.5 Date/Time

To set the date and time:

1. Press the **Settings** button  on your device or tap **Settings** on the Main screen.
2. Tap the **Date/Time** button on the Settings screen.



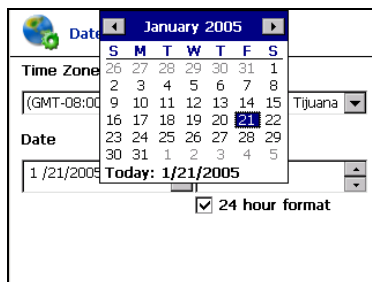
3. Tap the **Time Zone** box and scroll down the list to select your time zone.




4. Tap the down arrow next to the **Date** box to set the date.

A calendar will pop up showing day, month and year. Tap the left arrow to go to the earlier month and year or tap the right arrow to select the later month and year.

You can also tap the month and year on top of the calendar to change the month and year. Then tap the date on the calendar.

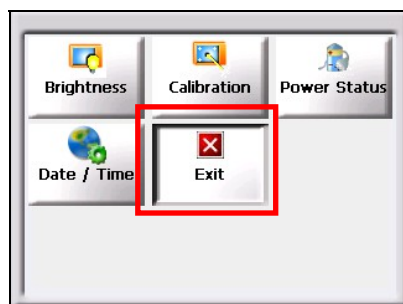


NOTE: You can also directly tap the year/month/date value and use the up and down navigation pad to increase or decrease the value.

5. Before setting the time, you can tick the 24-hour format box to use 24-hour format. Then tap the item (Hour/Minute/Second) you want to set. Tap the up arrow to increase the value or tap the down arrow to decrease the value.
6. Press the Back button  to save the changes and exit the screen.

3.6 Exit

The **Exit** button brings you back to the Main screen.





Part II. GPS Navigation

Part II tells you how to use the GPS navigation function.

4

Navigation Basics

In this chapter you will learn how to start GPS positioning, select origin (starting point) and destination (end point). Then, you can begin your journey with the navigation program to guide you down the road.

NOTE: This chapter assumes that you are in the default Navigation mode. To learn how to use Planner mode, see Section 5.4.

4.1 Before You Start

Before you begin navigation, you must have the right map preinstalled in your storage card. (Regarding map installation, refer to Section 8.1 for more information.)

Inserting the MMC Card

Insert the MMC card into the slot, with the connector pointing to the slot and its label facing the front of the device.



Checking the Map Data

You can check the map data using **Switch Map** function. (See Section 4.2 for more information.) If your MMC card includes the map you need, use **Switch Map** function to switch to the correct map. If you cannot find the map from your storage card, you can use Mio Map Wizard to install map(s). (See Section 8.1 for more information.)

Maps of North America

The map data for North America is divided into nine regions or parts, including USA1 ~ USA7, Hawaii, and Canada. Each map, with the exception of Hawaii and Canada, covers several states in the USA. Details for each map are as follows:



- **USA1:** California, Nevada, Washington, Oregon, Idaho, Montana, Wyoming, Arizona, Utah, Colorado, and New Mexico.
- **USA2:** Dakota, Minnesota, Wisconsin, Kansas, Nebraska, Iowa, Missouri, and Illinois.
- **USA3:** Texas, Oklahoma, Arkansas, Louisiana, and Mississippi.
- **USA4:** Indiana, Michigan, Kentucky, Tennessee, Virginia, and District of Columbia.
- **USA5:** Ohio, Pennsylvania, New York, New Jersey, Connecticut, Rhode Island, Massachusetts, New Hampshire, Vermont, Maine, Delaware, Maryland, Pennsylvania, District of Columbia, and Virginia.
- **USA6:** District of Columbia, Virginia, Delaware, Maryland, Pennsylvania, Ohio, New York, Kentucky, Tennessee, Indiana, and Carolina.
- **USA7:** District of Columbia, Virginia, Georgia, Carolina, Alabama, and Florida.
- **Hawaii**
- **Canada:** Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, British Columbia, Alberta, Saskatchewan, and Manitoba.

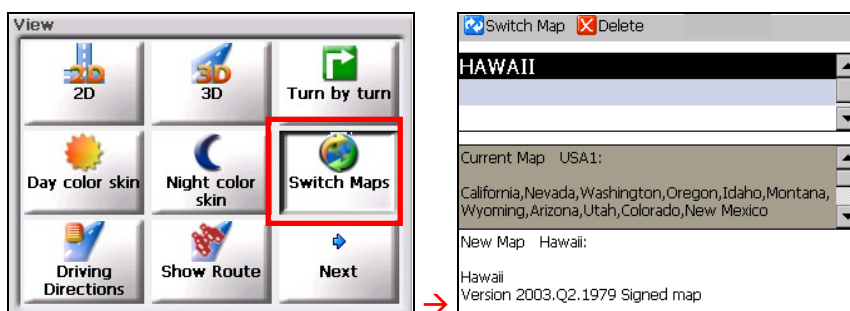
4.2 Starting GPS Navigation Software


7. Make sure that an MMC card with map data is inserted and that either external power is available or the battery has power.
8. Rotate the GPS antenna of your device to the horizontal position. This allows the receiver to receive signals from the GPS satellites overhead.





NOTE: When in poor reception areas, for better signal reception, you may choose to use an optional external antenna.

9. Press the power button  on the device to start the system. If you see another program rather than the Main screen (such as Settings, or the MP3 player), you will need to exit that program and go back to the Main screen.
10. Tap the **Navigation** button to start the navigation program called Mio Map.
11. Press the Navigation Settings button  twice and tap **Switch Maps** to check your map data. If the MMC card has the maps you want, just tap the map name (from the top list) and then tap **Switch Map** at the top of the screen to switch to that map.



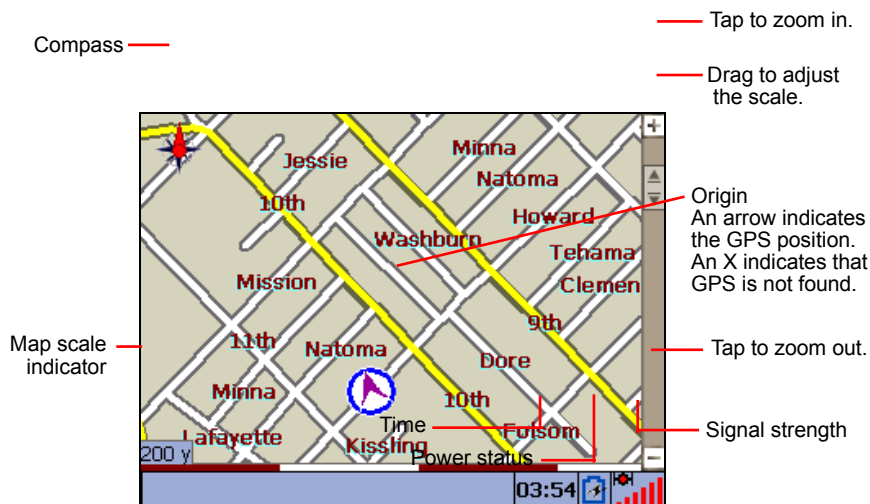
12. Once you see the map screen, assuming you are in Navigation mode (for Planner mode, see section 7.3), the system will automatically start positioning. Once the unit has a fix on your position, you will see a small arrow in a blue circle on the screen  indicating your current location.

NOTE:

- For initial positioning, make sure that you remain at the same spot with a clear view of the sky. The GPS may take a few minutes to find its current location initially.
- To check the current GPS status, you can tap the  icon at the bottom right corner of the screen to directly access the status screen. (See Section 7.5 for further information.)
- You can read online help by pressing the Navigation Settings button  three times and tapping **Help**.



Introducing Map Screen

The map screen contains a scalable map in the middle and a scroll bar to the right.



Zooming the Map


You can zoom the map from 30 yards (50 meters) to 5 miles (500 km) using any of the following methods:

- Drag the slider of the zoom scroll bar. Drag up to zoom in and down to zoom out.
- Tap + of the zoom scroll bar to zoom in and = to zoom out.
- Press the Zoom In button  to zoom in and Zoom Out button  to zoom out.

Automatic Zoom On

While in Navigation mode, the Automatic Zoom mode is turned on by default. The zoom level automatically adjusts for the current speed of the vehicle. You can still manually zoom in/out to override the auto zoom. After a few seconds, the zoom level automatically returns to the default setting.

Automatic Zoom Off

If you turn off Automatic Zoom mode, you can zoom in or out manually and the map display will remain at that level. To turn off Automatic Zoom, just press the Navigation Settings button  three times and tap **Map Settings**, then un-tick **Automatic Zoom**.


Four Steps to Navigate

The GPS navigation process includes four major steps:

Step 1. Selecting Navigation Mode

You can use GPS navigation only when you are in Navigation mode. (See Section 7.3 for information.)

Step 2. Positioning

By default, your origin is your GPS position, indicated by the icon  on the map.

NOTE: You can manually select your origin if desired. (See “Part 2. Manually Select the Origin” in Section 5.4 for information.)

Step 3. Selecting a Destination


You can use Address, POI, Favorites or History to set your destination.
(See Section 4.3 for instructions.)

Step 4. Navigation

Once your destination is selected, tap **Navigation** (top toolbar/pop-up menu). The system will start calculating a route for you and the route will be shown on the map. (See Section 4.7 for more information.)

Quitting Mio Map Navigation

Always quit Mio Map when you have finished using the program.

Press the Back button  on the map screen and tap **Yes** to quit Mio Map.

4.3

4.4

4.5

4.6 Selecting a Destination

You can easily select a destination from any of the following:


- A known address, intersection, or zip code

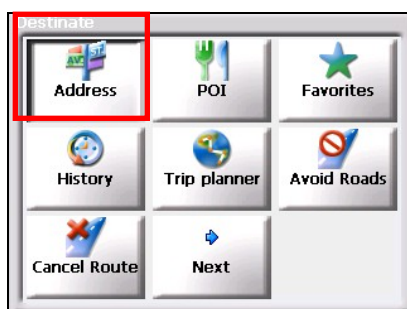
- A Point Of Interest (POI) from the list
- A location in Favorites (personal stored locations)
- An address in History (previous destinations)

NOTE: If there are roads that you want Mio Map to avoid when calculating a route, use the Avoid Roads function. (See Section 5.1 for instructions.)


Using Address

If you have information such as address, intersection, or zip code of your destination, you can use this method to select a location.


1. Press the Navigation Settings button  once and tap **Address**.



By default, the sequence for entering the address is **City → Street → Number**.

NOTE: You can change the sequence for entering the address using the  button. (See the subsection later in this chapter for further instructions on using a different address sequence.)

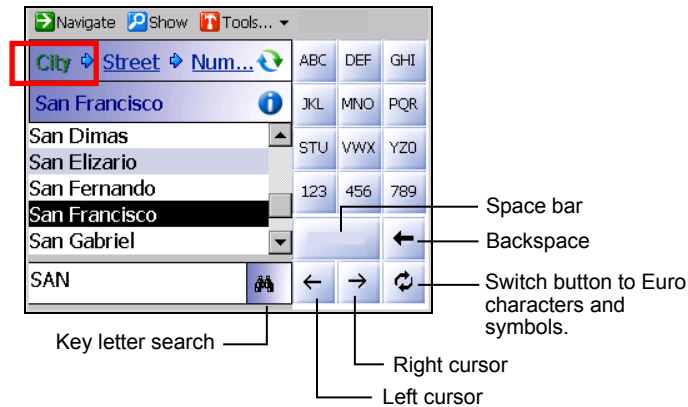
2. Tap **City** to display a list of city names. You can use the stylus pen to scroll through the list and tap the city in the scroll list.

NOTE: For more information on a location, tap  and it will display the location's details.



You can also tap the letter button on the soft keyboard to enter the first few letters of the city name. To enter the second or third letter on a button, tap quickly the same button twice or three times. The letters that you have

entered will show at the bottom and the highlight will move accordingly. You can then select the city name at any time.

You can use the stylus to scroll through the list and the highlight will move accordingly.



NOTE:

- To enter the Euro characters or symbols, just tap  button to switch to an alternate set of keys.
- After entering certain key letters, you can also tap  button at the bottom of the screen to display a list of city/street name that matches the letters entered. This is to help you easily find the city/street name you want.

3.

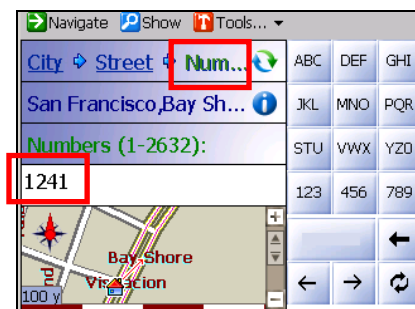
4. After selecting the city, tap **Street** at the top of the screen to display a list of street names for the selected city. You can use the stylus pen to scroll through the list. Then select the street name.

You can also use the soft keyboard to enter the first few letters and select the street name as described in the previous step.

5.

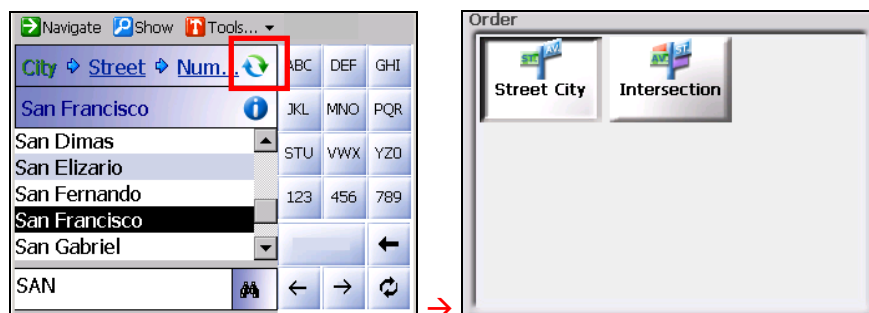


6. After selecting the street, tap **Number** at the top of the screen, and enter the number using the soft keyboard. You can preview your destination from the map shown at the bottom. You can also enlarge the map by tapping **Show** (top toolbar).



- 7.
8. To calculate the route, tap **Navigate** (top toolbar). The route is shown as a highlighted blue line starting from your origin to your destination. (See Section 4.7 for more information.)

Using a Different Address Sequence




Street City

This sequence is recommended for larger cities.

While in the Address menu, tap the  button and tap **Street City** to change the sequence for entering the address to **Street → City → Number**.

Intersection


If your destination is an intersection and you know the names of the two streets, you can use this method.

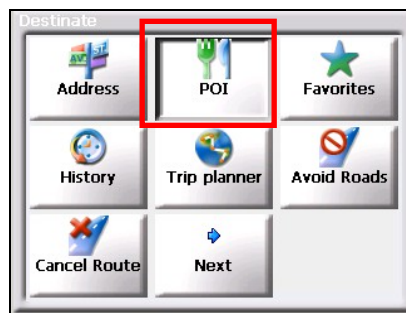
While in the Address menu, tap the  button and tap **Intersection** to change the sequence for entering the address to **City → Street → Street**. After you select the first street and tap the next **Street** (top of the screen), the names of the streets that intersected with the first street are displayed. You can then select the second street.

Using Point of Interest (POI)

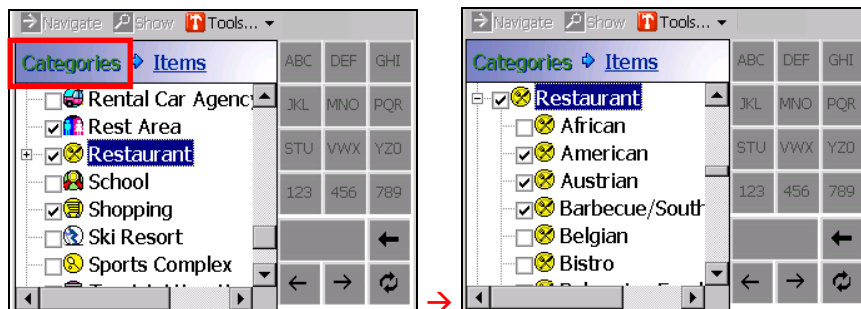
POI on a map represents local places of interest or importance. POIs are identified on the maps by various icons (e.g. 💰 for **Banks**, or 🍴 for **Restaurants**).

Mio Map allows you to choose your destination from a vast database of POIs. POI navigation is especially handy when you need to find a facility, attraction or amenity by the type or sort. For example, you can ask Mio Map to guide you to the closest bank, mall, hotel, restaurant, gas station, etc.

1. Press the Navigation Settings button  once and tap **POI**.




2. In the category list, tap (highlight) the desired category name (not the check box). You can scroll up or down for other choices. Expand categories with a [+] beside them for more detailed choices.




NOTE:

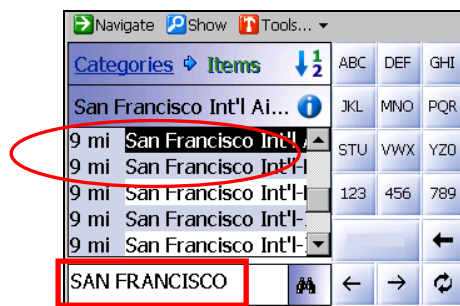
- A check mark (✓) before a category means that the POI icons will display on the map.
- The plus sign (+) located to the left indicates that the main category contains at least one sub-category (e.g. Restaurants - Italian, Indian, Barbecue or Cajun).

3. Tap **Items**. The POIs for the selected category are listed in order of distance. To sort them alphabetically, tap the  button.



4. Tap (highlight) the desired POI in the list.

You can also use the soft keyboard  to enter the name of the POI. The letters that you have entered will show at the bottom and the highlight will move accordingly. You can then select the POI you want.

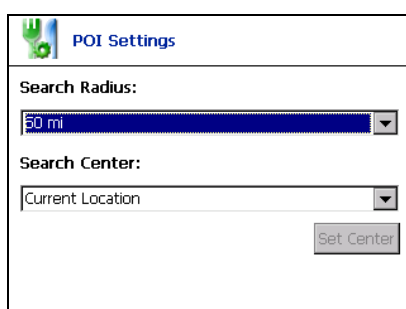



5. You can preview your destination by tapping **Show** (top toolbar).
6. To calculate the route, tap **Navigate** (top toolbar). The route is shown as a highlighted blue line starting from your origin to your destination. (See Section 4.7 for more information.)

POI Settings

By default, Mio Map displays POIs in a 50-mile search radius with your current location as the center. You can change the radius and center by using **Tools** (top toolbar) → **Settings**. The options are **Whole Map**, **100 mi**, **50 mi**, **25 mi**, **6 mi** and **3 mi**.

You can also select the search center. The options are **Current Location**, **Address**, **Favorites** and **History**.




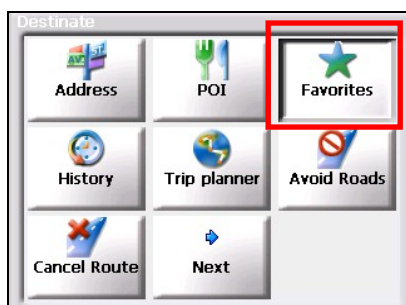
After making selections, press the Back button  to save the changes and exit the screen.

Using Favorites

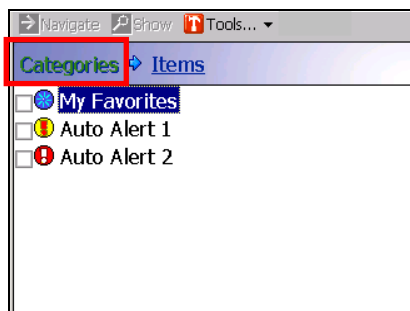
Favorites is a collection of locations previously stored by you for future use. (See Section 5.2 for information on creating Favorites.)

You can select a destination from the list of stored **Favorites**.

1. Press the Navigation Settings button  once and tap **Favorites**.



2. In the category list, tap (highlight) the desired category name (not the check box).



NOTE: A check mark (✓) before a category means the Favorites icons will display on the map.

3. Tap **Items**. The favorite items for the selected category are listed.
4. Tap (highlight) the desired item.

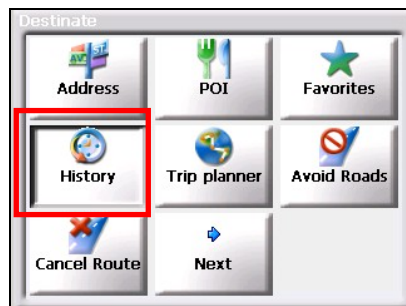


5. You can preview your destination by tapping **Show** (top toolbar).
6. To calculate the route, tap **Navigate** (top toolbar). The route is shown as a highlighted blue line starting from your origin to your destination. (See Section 4.7 for more information.)

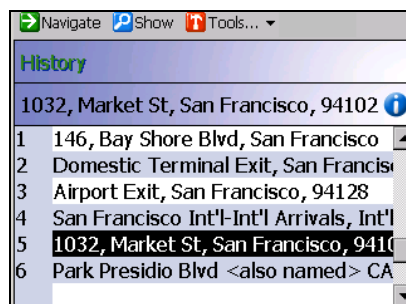
Using History

Use **History** to select an existing destination from a list of previously traveled destinations. Mio Map automatically stores the last few destinations in memory.

1. Press the Navigation Settings button  once and tap **History**.



2. Tap (highlight) the desired item in the history list.



3. You can preview your destination by tapping **Show** (top toolbar).
4. To calculate the route, tap **Navigate** (top toolbar). The route is shown as a highlighted blue line starting from your origin to your destination. (See Section 4.7 for more information.)

NOTE: For further information on using History such as adding to Favorites or setting as your origin, see Section 5.3.

Using Map Cursor

Map Cursor means using the stylus pen to pinpoint a location on the map and then view details, set as origin, save the location to Favorites or initiate navigation to the location.

Navigate to **Map Cursor** is especially handy when you want to navigate to a physical location, facility, or attraction by its location on the map rather than by its street address.

1. Use the stylus pen to drag the map to a specific location or intersection of your choice.
2. Tap and hold the location with your stylus pen until the **Map Cursor** pop-up menu appears.



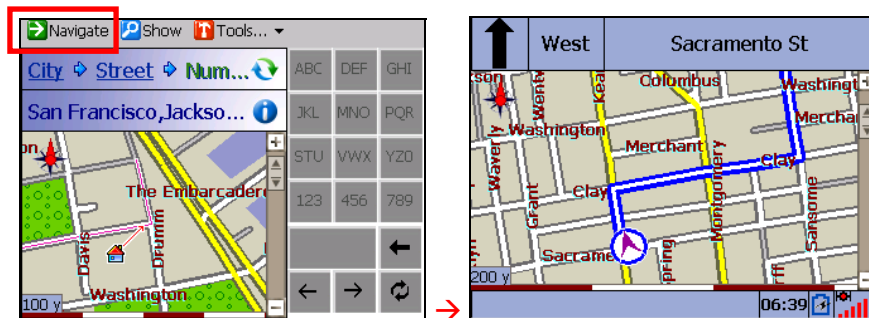
| **NOTE:** To clear the pop-up menu, just tap the screen anywhere besides the menu.

3. Tap **Navigate** on the pop-up menu. The route is immediately calculated and shown as a highlighted blue line from your origin. (See Section 4.7 for more information.)

4.7 Navigational Aids

Calculating a Route

With a destination selected, tap **Navigate** (top toolbar). Mio Map calculates the route and shows the route in a blue line on the map.

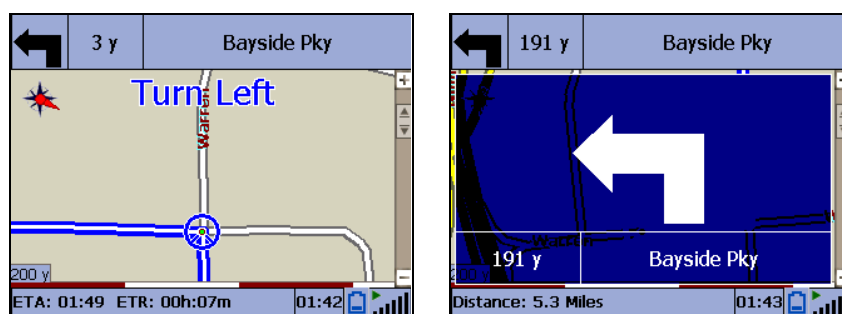


You can start your journey right away. As you go along, Mio Map gives you turn-by-turn voice prompts to get you to your destination.

NOTE: When the Mio Map program starts, the sound volume of your device is automatically adjusted to its highest level.

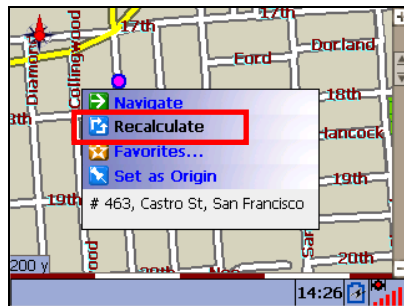
By default, Mio Map gives both voice and visual alerts at 3 miles, 500 yards, 200 yards, and 50 yards announcing upcoming turns or change of direction.

You may enable or disable visual notifications using **Options** → **Alert Settings**. (See Section 7.4 for more information.)



Recalculating the Route


While on the road, Mio Map automatically recalculates the route when you have deviated from the original route suggested. You can also tap and hold on the screen to bring up the **Map Cursor** pop-up menu and tap **Recalculate** to immediately recalculate the route.

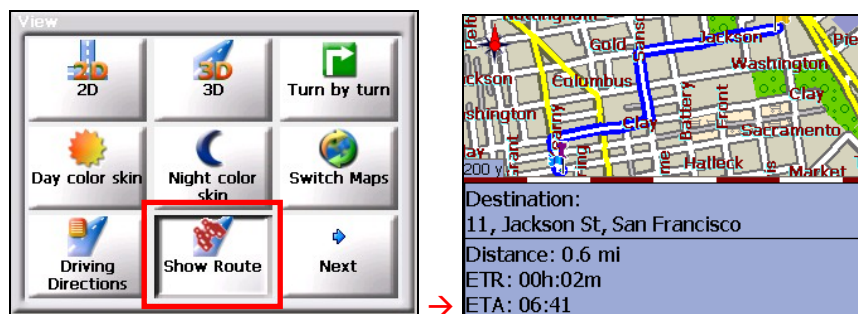


If you hear on the radio that there are construction zones or traffic jams along your planned route, you can simply turn off to avoid those streets or highways, and Mio Map will automatically recalculate a new route.

4.8 Show Route


The **Show Route** feature displays the entire route, plus details as name, time, and distances of the route.

After calculating a route, press the Navigation Settings button  twice and tap **Show Route**.



The following information is displayed on the screen:

- On the map:
The starting point is indicated with a blue flag, and the destination with an orange flag. The calculated route is always displayed in blue.
- In the information box:
Destination - Address of the destination
Distance - Total length of journey
ETR - Estimated Time Remaining
ETA - Estimated Time of Arrival (not available in Planner mode)

To exit the screen, press the Back button .

4.9 Cancel Route

Use **Cancel Route** to terminate navigation to a destination at any time.

Press the Navigation Settings button  once and tap **Cancel Route**. The route is cleared and you can start all over again.

5

More Navigation Features

Mio Map provides various tools for easier, flexible, and enhanced use of navigation features.

5.1 Avoid Roads

There might be road works, detours or other obstacles along your planned route. You can avoid these, as well as certain roads such as highways, expressways or toll roads. Mio Map allows you to pre-program these into its route calculations.


Using **Avoid Roads** is a two-part process:

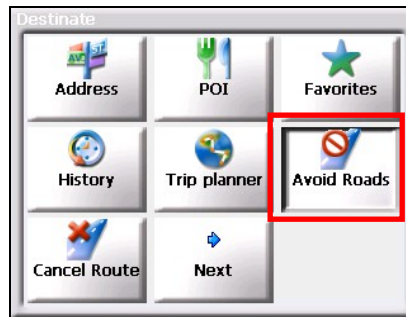
- Part 1: Create a list of roads to avoid
- Part 2: Select the roads to be avoided before calculating a route

Creating a List of Roads to Avoid

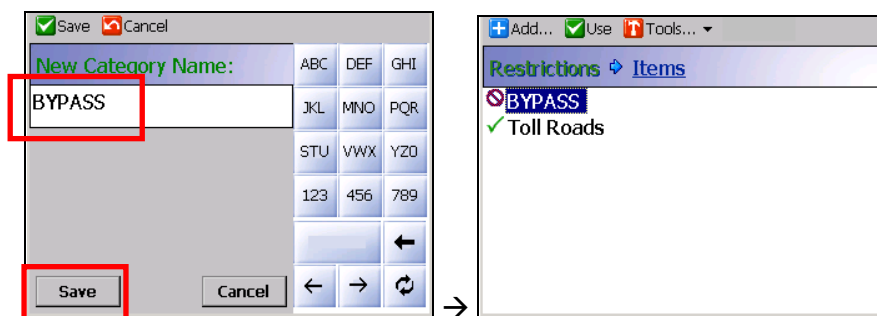
NOTE: Depending on the map you are using, an Avoid Roads list (such as toll road list) may have been predefined by Mio Map.

You can create your own list of roads to avoid.

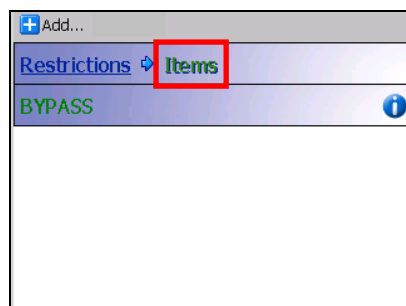
1. Press the Navigation Settings button  once and tap **Avoid Roads**.



2. Tap **Add** (top toolbar).
3. Enter the desired category name (e.g. **Bypass**) and tap **Save**. The Bypass category will show on the screen.



4. Tap **Items**.



5. Tap **Add** (top toolbar). The **City → Street** menu appears with the city list on the screen.
6. Tap (highlight) the city in the scroll list.

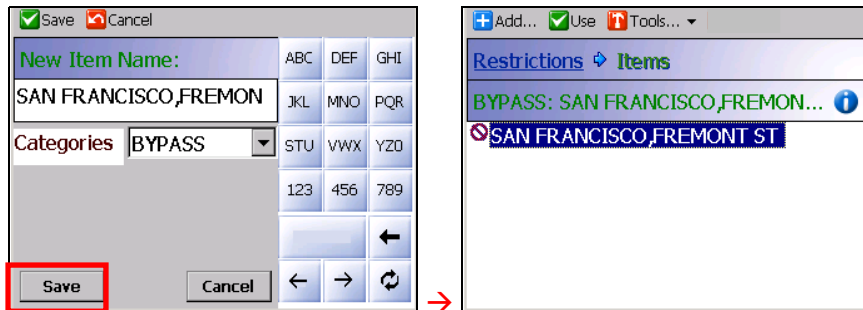


7. Tap **Street**. The street list for the selected city appears on the screen.
8. Tap (highlight) the street to avoid.



9. Tap **OK** (top toolbar). The “New Item Name” screen appears.
10. You can either create your own item name or use the existing item name. Tap **Save** to add the street to your list. The avoided street will be listed on the screen.






NOTE:



- You can save the selected street to another category if you wish. Tap the down arrow to pull down the menu of Categories and select another category.
- You can delete or edit a personal category or item using **Tools**. (You cannot delete or edit the predefined category and items.)



11. If there is more than one road to avoid, repeat and enter all the streets. You can also create multiple lists if necessary.

12. To exit the screen, press the Back button .

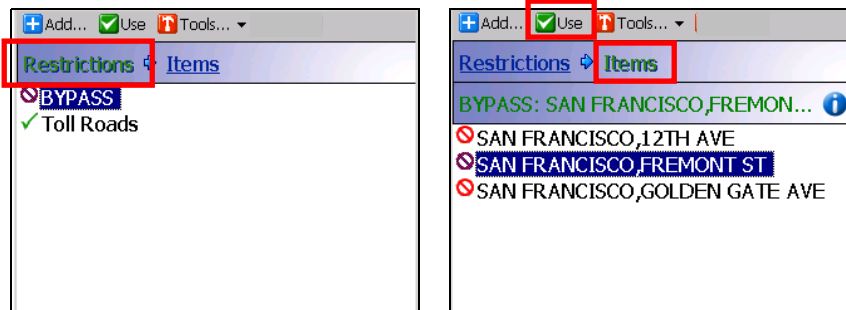
Selecting the Roads to Avoid


After creating the Avoid Roads list as described earlier, simply make sure that all the streets, roads or highways you want to avoid have a  before it. Then, Mio Map will avoid the selected roads when calculating the route.

If you are not avoiding all the roads in your next route, you can change the attribute of the road from  (avoid) to  (use) by following this procedure:

1. Press the Navigation Settings button  once and tap **Avoid Roads**.
2. To change the attribute of either a category or street, tap (highlight) the desired one in the list and tap **Use** (top toolbar). The attribute icon will be changed to .

NOTE: To change the attribute back to , select the desired item and tap **Avoid** (top toolbar).



3. To exit the screen, press the Back button .


5.2 Favorites and Auto Alerts

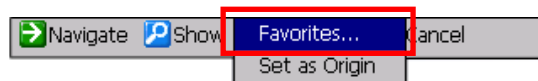
The **Favorites** feature allows you to save your frequently used locations for easy access later. It also includes two automatic alert categories - **Auto Alerts 1** or **Auto Alerts 2**. An “automatic alert” refers to an item that you configure so that Mio Map will alert you when you are within a certain distance of the item’s location.

Creating Favorites

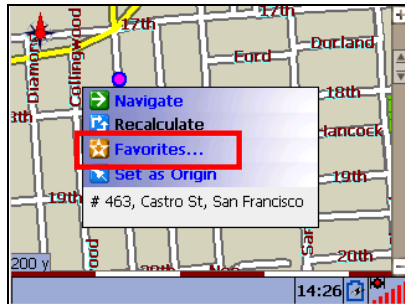
You select a location for your Favorites the same way you select a destination.

Follow this procedure to create a Favorites location:

1. Press the Navigation Settings button  once and select a location from Address, POI, or History. (See Section 4.3 for detailed information.) Then, tap **Tools** (top toolbar) → **Favorites**.



Or, you can drag the map and tap the location on the map. Then, tap **Favorites** in the **Map Cursor** pop-up menu.



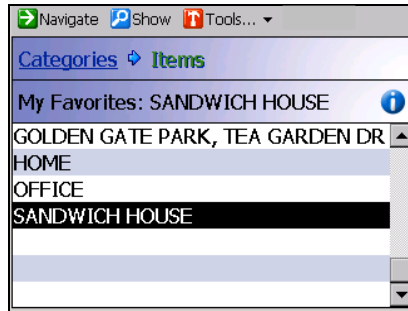
2. In the “Edit Item Properties” menu, enter a name and comment, if not already existing. Select a category as needed. (Default categories are **My Favorites**, **Auto Alert 1**, and **Auto Alert 2**.)

Edit Item Properties			
Name	GOLDEN GATE PARK,	ABC	DEF GHI
Comment		JKL	MNO PQR
Categories	New Category...	STU	VWX YZO
	My Favorites	123	456 789
	Auto Alert 1		
	Auto Alert 2		
	New Category...		
Save		Cancel	
		← → ↻	

NOTE:

- Only those items found in either Auto Alert 1 or Auto Alert 2 will function as auto alerts.
- You may want to create a new category to store your Favorites in different groups. Tap the down arrow to pull down the menu of Categories and tap **New Category**. Then type a name in the next screen, select an icon for the category, and tap **Save**.


3. Tap **Save** to store the location as one of your favorites. The location will be added to the list of your favorite items.

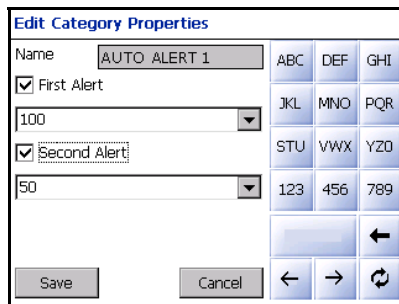


4. To exit the screen, press the Back button .

Configuring Auto Alert Category

You can configure two distances for each automatic alert. Mio Map will first alert you when you are within the first distance and then alert you when you are within the second.

1. Press the Navigation Settings button  once and tap **Favorites**.
2. Tap (highlight) the **Auto Alert 1** or **Auto Alert 2** category you want to configure.
3. Tap **Tools** (top toolbar) → **Edit**.




4. To enable both alerts, check both boxes. Or, you can disable one of the alerts by clearing the box next to it. If you configure two alerts, the first must have a greater distance than the second.

5. From the pull-down menus, select a distance for each enabled alert. Mio Map will alert you when the distance between your current traveling position and the location of the alert equals the distance you enter here.
6. Tap **Save** to complete the configuration.


Managing Favorites

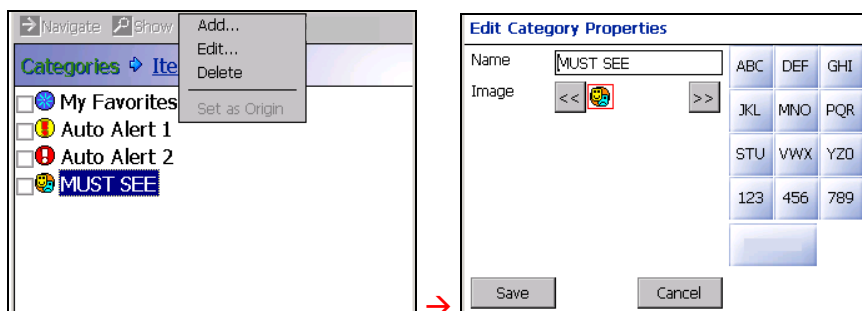
Editing or Deleting an Item in Favorites

1. Press the Navigation Settings button  once and tap **Favorites**.
2. Tap (highlight) the category.
3. Tap **Items**.
4. Tap (highlight) the item you want to edit or delete.
5. Tap **Tools** (top toolbar) → **Edit** or **Delete**.


Editing or Deleting Your New Category in Favorites

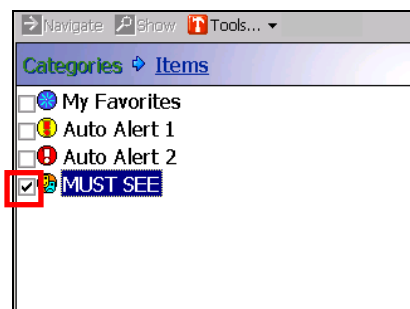
| NOTE: You cannot edit or delete My Favorites category.

1. Press the Navigation Settings button  once and tap **Favorites**.
2. Tap (highlight) the category (the one you created).
3. To edit or delete the category, tap **Tools** (top toolbar) → **Edit** or **Delete**.



Displaying Favorites Icons on the Map


If you want the Favorite icons to display on the map, press the Navigation Settings button  once and tap **Favorites**. Tap the checkbox before the category name.

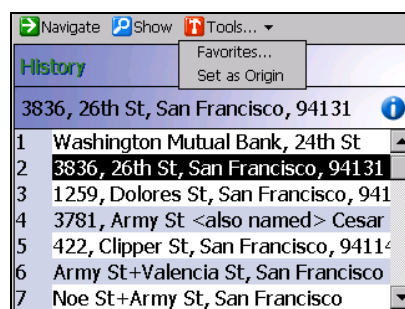


5.3 History

History is a list of previous destinations. It allows you to select a previous destination for searching, viewing, or use again.

NOTE: Mio Map automatically stores the last few in memory. As newer destinations are written to the top of the stack, older destinations drop off the bottom of the stack.

To use History, press the Navigation Settings button  once and tap **History**. With an item selected, you can do any of the followings:



- To reuse it as your destination, tap **Navigate** (top toolbar) to calculate a route.

- To view the location details, tap **Show** (top toolbar).
- To save it as one of your Favorites, tap **Tools** (top toolbar) → **Favorites**.
- To use it as your origin, tap **Tools** (top toolbar) → **Set as Origin**.

5.2

|.

- 1.
- 2.

- 1.
- 2.
- 3.

- 4.

- 1.

|

5.4 Trip Planner

The **Trip Planner** feature allows you to calculate a route any time without initiating GPS positioning.

You can manually select your own origin, waypoints, and destination. Then you can calculate a route for future use.

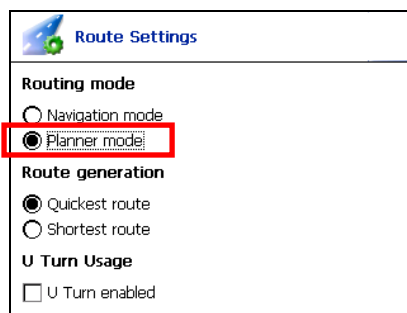
Trip Planner includes four major parts:

- Part 1: Select Planner mode
- Part 2: Manually select the origin
- Part 3: Set waypoints
- Part 4: Calculate the trip route


Part 1. Select Planner Mode

You can use the Trip Planner feature only if you are in Planner mode.

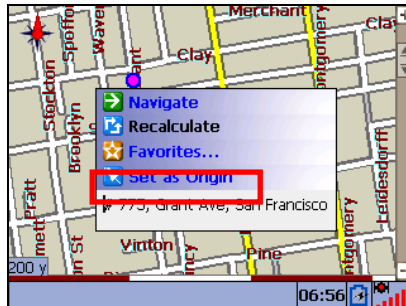
Press the Navigation Settings button  three times and tap **Route Settings**. Tap **Planner mode** and then press the Back button .




Part 2. Manually Select the Origin

Press the Navigation Settings button  once and select a location from Address, POI, Favorites, or History. (See Section 4.3 for detailed information.) Then, tap **Tools** (Top toolbar) → **Set as Origin**.


Or, you can drag the map and tap and hold the location on the map. Then, tap **Set as Origin** in the **Map Cursor** pop-up menu.

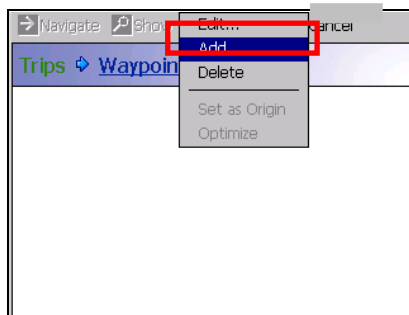


The pin icon  appears on the screen to indicate the origin.

Part 3. Set Waypoints

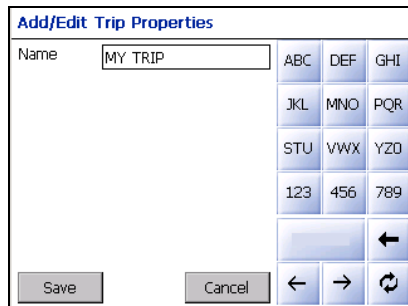
You can set one or more waypoints if necessary. A waypoint is a stop or break in your journey along a route.

1. Press the Navigation Settings button  once and tap **Trip planner**.
2. If this is the first time you use Trip Planner, you will need to create a trip category in which to store your trip details. To create a trip, tap **Tools** (top toolbar) → **Add**.

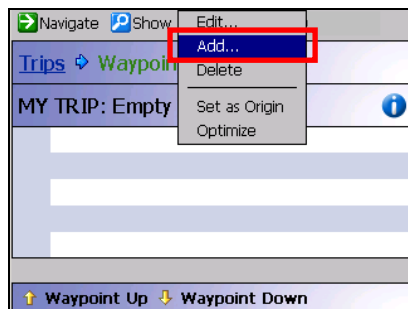


3. Type a name (e.g. My trip) using the soft keyboard and tap **Save**.

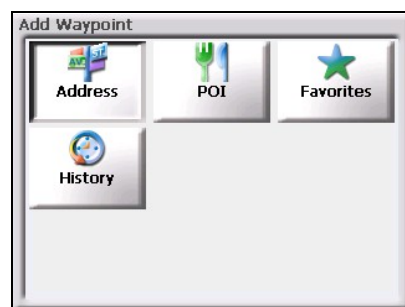
| **NOTE:** You can rename an existing category name using **Tools** → **Edit**.



4. Tap **Waypoints**.
5. Tap **Tools** (top toolbar) → **Add**.



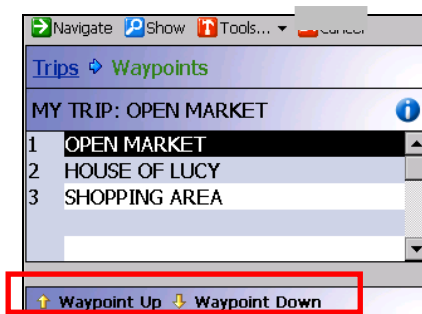
6. Select a waypoint – be it an Address, POI, Favorites or History. (See Section 4.3 for detailed information.)



7. With a location selected, tap **OK** (top toolbar).

8. In “Edit Waypoint Properties” fields, enter a waypoint name or change the default details and tap **Save** to save the waypoint.

9. Repeat steps 5 to 8 to enter all the waypoints.
10. You can use **Waypoint Down** or **Waypoint Up** to move the waypoints around to suit your purposes or driving needs.



Or, you can tap **Tools** → **Optimize** to automatically sort the waypoints in the most effective and quickest route. Note that Optimize does not change the position of the first (origin) or last (destination) items on the list.

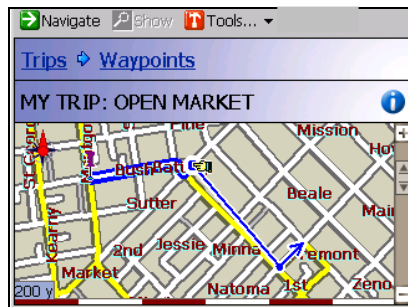
11. You can tap **Show** (top toolbar) to view the complete route.


Part 4. Calculate the Route

To calculate the route, tap **Navigate** (top toolbar).

The route is calculated in stages from the departure point to the first waypoint. Once there, it recalculates to the second waypoint, and then recalculates for the third waypoint and so on.


If you tap **Show**, the first part of the route is shown with the normal blue double lines, but the second, third and parts of the route (after the waypoints) are shown in a series of single line vectors.



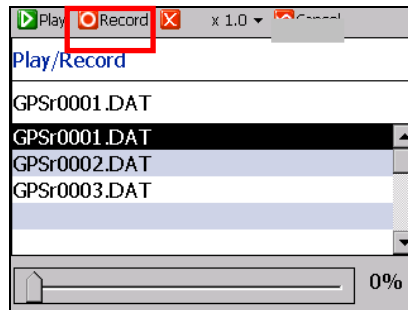
NOTE: To start the trip, remember to change back to Navigation mode by pressing the Navigation Settings button  three times and tapping **Route Settings** → **Navigation mode**.


5.5 Recording a Journey

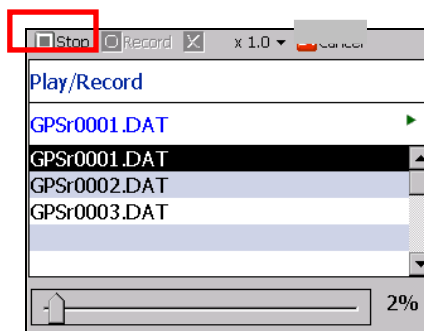
You can record your journey to share with your friends and family or perhaps just to replay your journey.


1. When you are about to begin your journey, press the Navigation Settings button  three times to open the **Options** menu.
2. Tap **Play** → **Record** (top toolbar).

NOTE: A filename GPRSr00xx.DAT (where xx = the recorded route number) is automatically created.




3. As you travel, Mio Map records your trip.
4. When you have reached the end of your journey, press the Navigation Settings button  three times and tap **Play → Stop** (top toolbar).

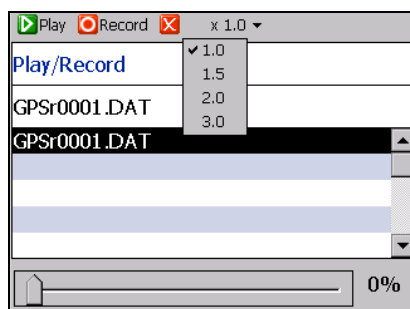




5. To exit the screen, press the Back button .

Playing a Recording



1. Press the Navigation Settings button  three times to open the **Options** menu.
2. Tap **Play**.
3. Tap the file you want to playback and tap **Play** (top toolbar).
4. You can advance the playback to start at a different point by moving the slider at the bottom of the screen along the progress track bar.

You can also adjust the playback speed i.e.: from normal to 3x normal from the pop up list at the top of the screen.



5. To stop the replay, press the Navigation Settings button  three times and tap **Play → Stop** (top toolbar).
6. To exit the screen, press the Back button .

Deleting a Recording

1. Press the Navigation Settings button  three times to open the **Options** menu.
2. Tap **Play**.
3. Select the **GPSr00xx.DAT** file (where *xx* = the recorded route number) to be deleted.
4. Tap  (top toolbar) → **Yes**.

| CAUTION: Once the recorded route is deleted, it is not retrievable.

6

Changing Map Views


Mio Map provides different views of the map to enhance your viewing and navigational experience.

6.1 Types of View

You can view the map in one of the two viewpoints: 2D and 3D.

2D View


The default 2D view is the straightforward two-dimensional normal view.

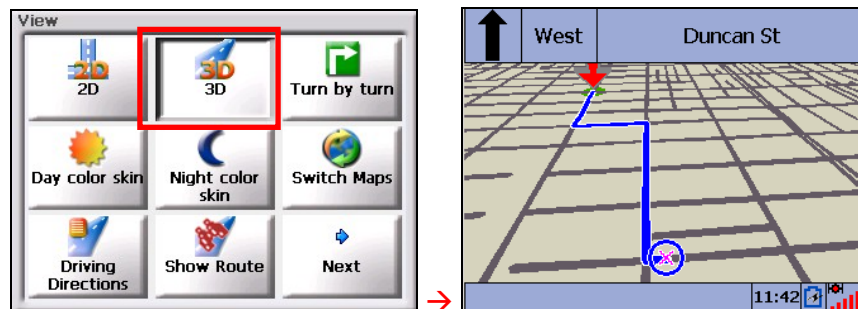
To switch to 2D view, press the Navigation Settings button  twice to open the **View** menu and tap **2D**.



3D View


3D view is a general 3D (three dimensional) viewpoint showing the map in a basic 3D outline.

To switch to 3D view, press the Navigation Settings button  twice to open the **View** menu and tap **3D**.

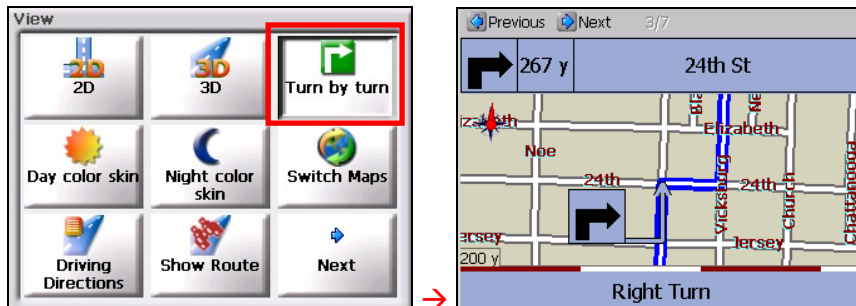



6.2 View the Route

Turn by Turn


After calculating a route, you can view turn-by-turn instructions on the map. Press the Navigation Settings button  twice to open the **View** menu and tap **Turn By Turn**.

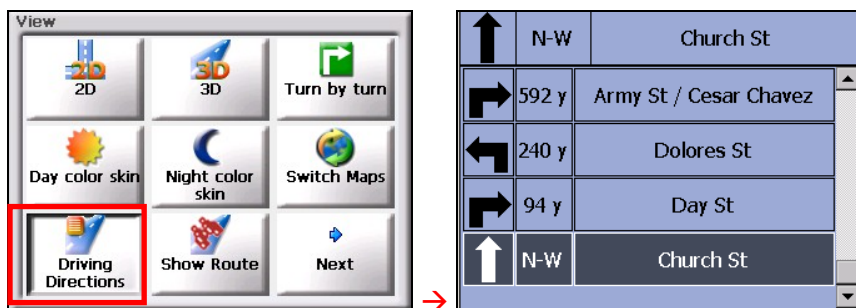
This view indicates the route turn by turn. Use the **Next** or **Previous** button to go to the next or previous turn.



To exit the screen, press the Back button .


Driving Direction

After calculating a route, you can view driving directions. Press the Navigation Settings button  twice to open the **View** menu and tap **Driving Directions**.




A list displays on the screen, with distances between each turn and the street name.

Tapping the item will bring you to the turn-by-turn view as described earlier.

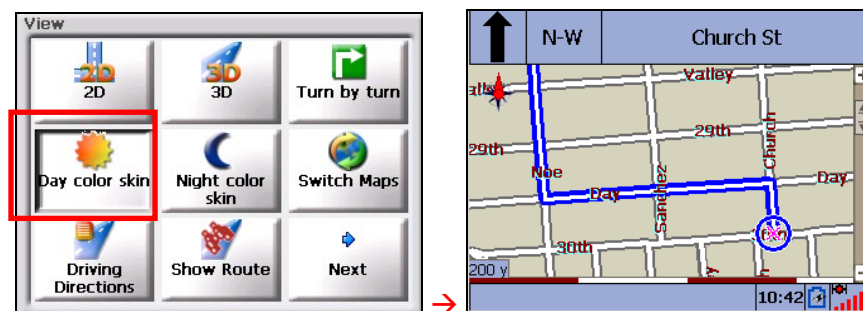
To exit the screen, press the Back button .

6.3 Day/Night Color Skin


Day Color Skin

Day Color Skin is the default color scheme of the map. You can press the Navigation Settings button  twice to open the **View** menu and tap **Day color skin** for daylight driving conditions.

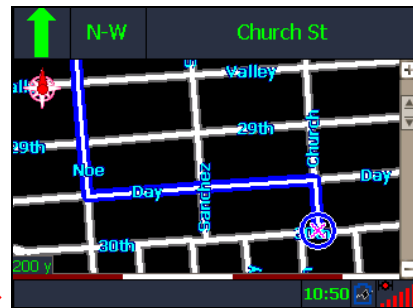
Colors are bright and easy to view under most daytime conditions.



Night Color Skin

To change the background color for nighttime or adverse weather conditions, press the Navigation Settings button  twice to open the **View** menu and tap **Night color skin**.

Colors and background are muted to assist nighttime driving making the route and current position more visible.



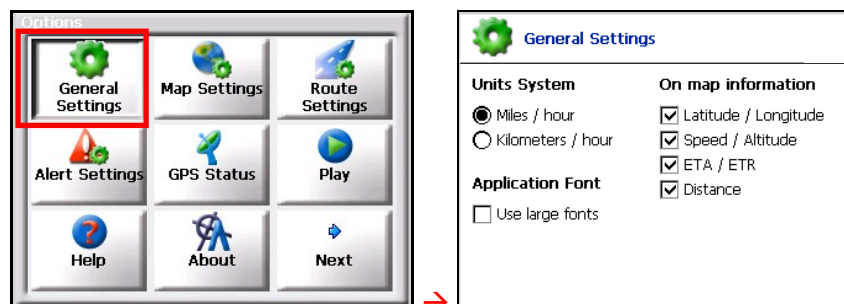
7

Options, Settings, and Preferences

Mio Map initially has certain default settings when it is installed. You can customize the settings to suit your personal needs. Your settings remain until you make a change again.


7.1 General Settings

Press the Navigation Settings button  three times to open the **Options** menu and tap  **General Settings** to access the following settings:



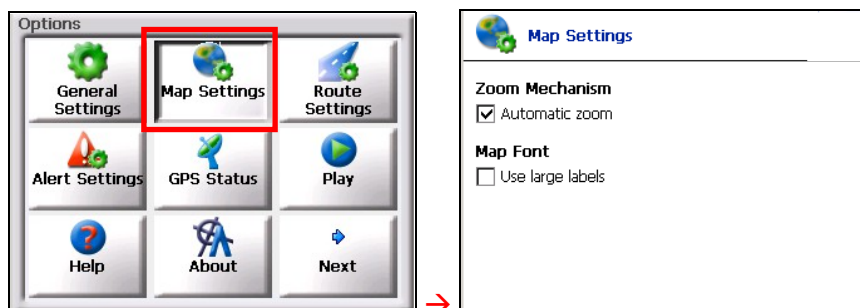
General Settings	Descriptions
Units System	Select Imperial system (miles and yards) or Metric system (kilometers and meters) to display distances.
Application Font	Select Use Large fonts if needed. This makes the display easier to read especially in bad lighting.

On map information	Select the items that you want displayed on the map: Latitude/Longitude Velocity altitude ETA/ETR Distance
---------------------------	--


Press the Back button  to exit and save any changes you have made.

7.2 Map Settings



Press the Navigation Settings button  three times to open the **Options** menu and tap  **Map Settings** to access the following settings:

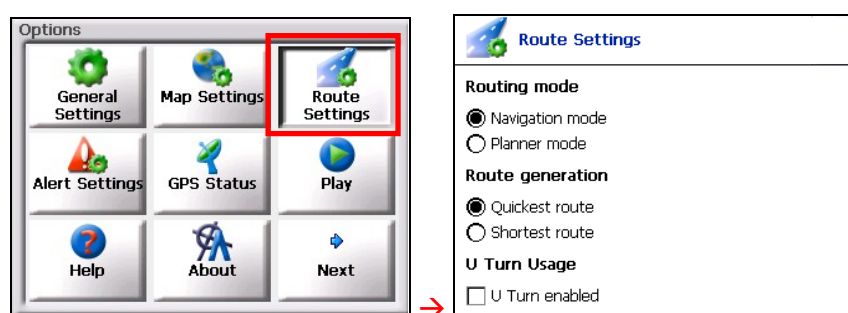


Map Settings	Descriptions
Zoom Mechanism	Select Automatic Zoom to allow the system to automatically scale the map appropriately, according to the current speed of the vehicle/person.
Map Font	Select Use Large labels for easier reading under adverse lighting conditions.


Press the Back button  to exit and save any changes you have made.

7.3 Route Settings



Press the Navigation Settings button  three times to open the **Options** menu and tap  **Route Settings** to access the following settings:



Route Settings	Descriptions
Routing Mode	Select Navigation mode for normal driving with GPS on. Select Planner mode if you want to display planned routes, or to plan routes, but does not show your progress as you travel. (See Section 5.4 for more information.)
Route generation	Select Quickest route to allow the system to calculate and to estimate the best route based upon both shorter distance and higher speed limits. Select Shortest route to allow the system to calculate the route only considering the shortest distance.
U Turn Usage	Select U Turn enabled to allow U turns while calculating the route.


Press the Back button  to exit and save any changes you have made.

7.4 Alert Settings



Press the Navigation Settings button  three times to open the **Options** menu and tap  **Alert Settings** to access the following settings:

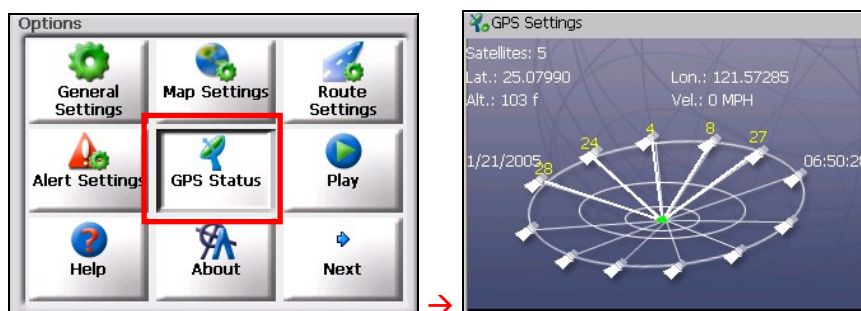


Alert Settings	Descriptions
Voice Prompts	<p>Select the item(s) you want to hear:</p> <p>“Over the Speed limit!” – gives you a voice reminder when your car exceeds the speed limit on this section of the road.</p> <p>“Route recalculation” – gives a voice prompt that the system will automatically recalculate new route.</p> <p>“Low signal.” – Warning that you are in an area of low signal.</p> <p>“GPS Not Found” – Alerts you if GPS signal is lost.</p> <p>“Drive Carefully” – Friendly reminder at the start of each journey.</p>
Visual Notifications	<p>Select one of the following three types:</p> <p>Text – Displays guidance prompts in the form of text.</p> <p>Symbols – Displays guidance prompts in the form of symbols. The screen will flash with an enlarged sign showing the next change of direction.</p> <p>None – No visual prompts displayed.</p>

Press the Back button  to exit and save any changes you have made.


7.5 GPS Status

Press the Navigation Settings button  three times to open the **Options** menu and tap **GPS Status** to check the current GPS status. You can also tap the  in the bottom right corner of map screen to directly access the status screen.



The system uses GPS signals to pinpoint your location. The system remembers your last location. However, to continually update your location, the software must acquire fresh GPS signals. (At least four different satellite signals are needed to get a fix on your current position).

In Navigation mode, the software automatically acquires GPS signals and constantly updates your position.

Press the Back button  to exit the screen.

Using Mio Map Wizard

This chapter tells you how to use Mio Map Wizard to install map(s) to or remove map(s) from your storage card.

8.1 Installing Map(s)

Mio Map Wizard is a tool for you to easily install or remove maps.

NOTE: An MMC card is supplied with your device. As the map data requires a large amount of memory, be sure to leave enough memory space on the card for map installation.

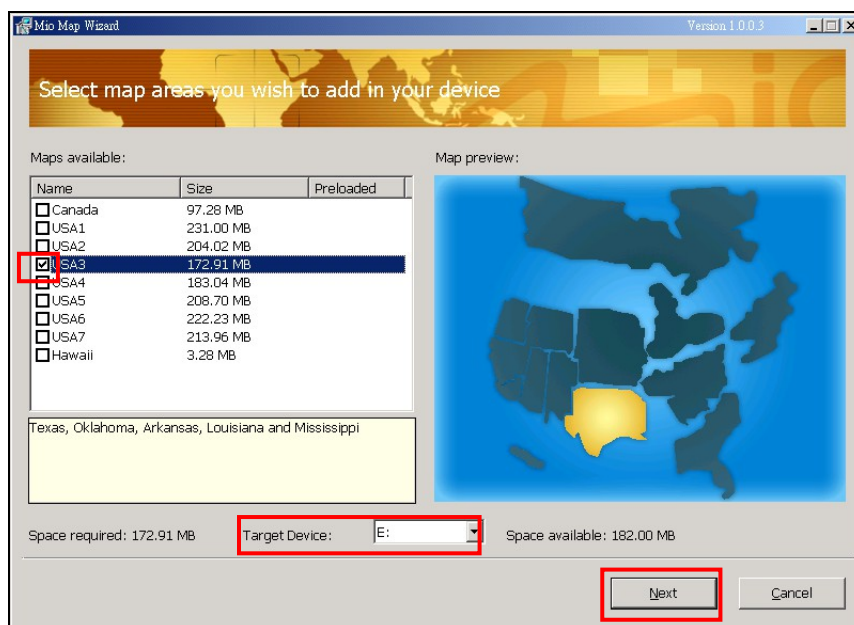
1. Insert the storage card to the card reader and connect the card reader to a USB port on your computer.



2. Insert Mio Map Disk 1 CD. The Mio Map wizard starts.



3. In the “Name” list, or on the map, check the part of the map you want to use. In “Target Device,” select the storage card as the target. Click **Next** to continue.



NOTE:

- To cancel the selection, just un-check the check box (☐) beside the appropriate map(s) on the list.
- When selecting a map on the list (e.g. USA4), the states that map covers will be shown on the Map Preview picture on the right.

4. If the map you selected is in Mio Map Disk 2, you will be prompted to insert Disk 2 CD for the installation. In this case, remove Disk 1 CD, insert Disk 2 CD and click **OK**.
5. Follow the onscreen instructions to continue. A status window indicates the progress of the installation.

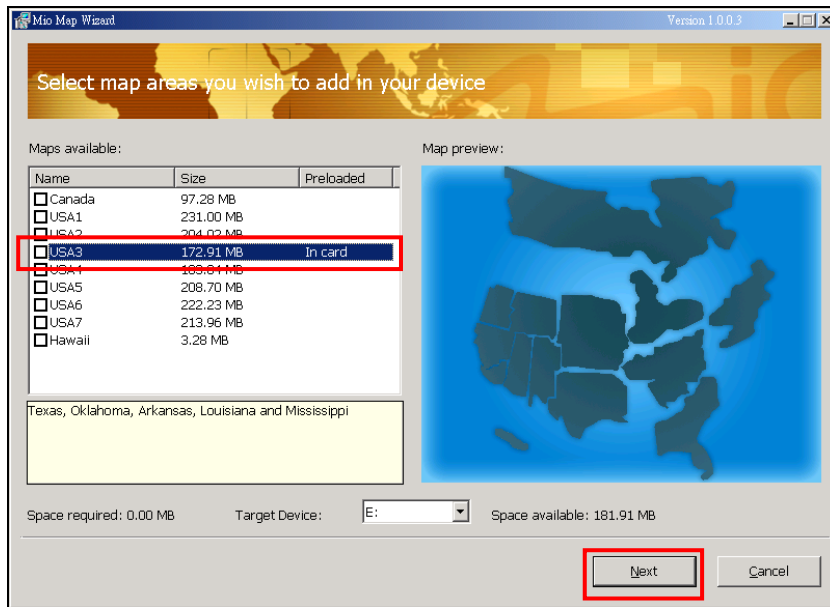


6. Click **OK** when the installation is complete.

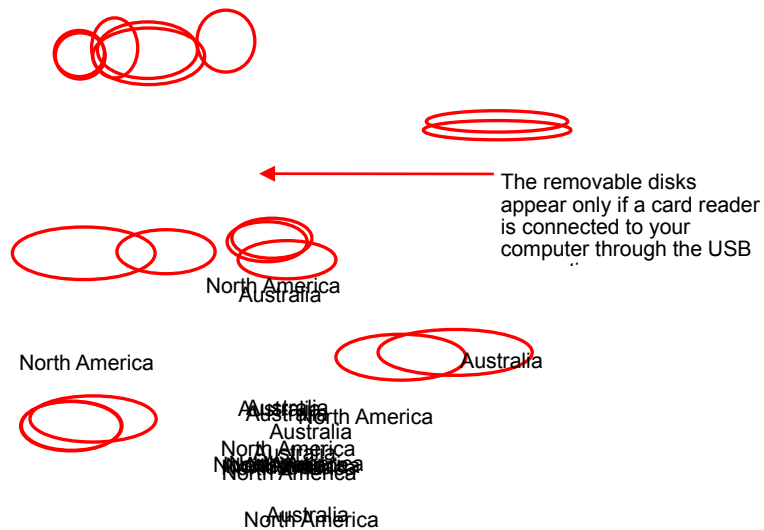
8.2 Removing Map(s)

You can remove map(s) from your storage card with the following procedure:

1. Insert the storage card to the card reader and connect the card reader to a USB port on your computer.
2. Insert Mio Map Disk 1 CD. The Mio Map wizard starts.
3. The “Preloaded” column shows any maps existing on the card. Clear the check box (☐) beside the map(s) you wish to remove and click **Next** to continue.

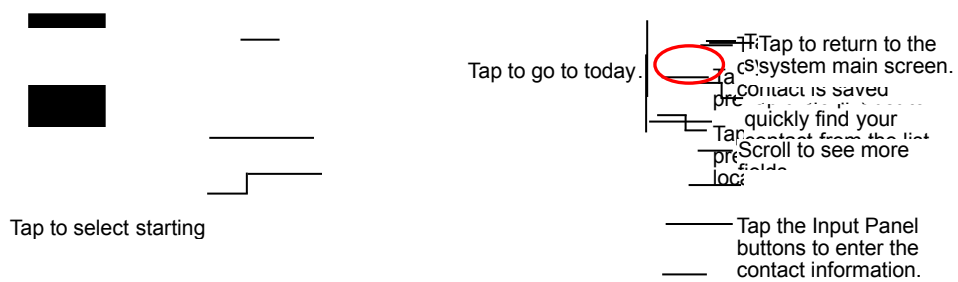


4. Follow the onscreen instructions to continue. Click **OK** when completed.



Part III. More Tools

Part III introduces MP3 Player and Application CD.



Contacts: Tracking Colleagues

This chapter tells you how to play MP3 files using your device.

9.1 Starting and Exiting MP3 Player

The MP3 Player program turns your device into an MP3 player. It features:

- Playback of MP3 and WAV files
- Basic playback controls such as play, pause, stop, next and previous
- Graphic equalizer settings with 17 presets
- Playback includes single selection playback, repeat, single repeat, sampling playback, normal sequence and random sequence.
- Play list support

Tap **MP3 Player** on the Main screen to switch to the program.



The control panel will appear on the screen. You can now easily control the MP3 player by tapping the control buttons.



To exit the program, just tap  in the lower right of the screen.


9.2 Preparing MP3 Files for Your Device

With the supplied card reader, you can easily copy MP3 files from your computer to a storage card. The MP3 Player can detect MP3 files in all folders of a storage card.


9.3 Playing MP3 Files

1. Tap the **MP3 Player** button on the Main screen to switch to the program.
2. The program will search for MP3 files in all folders of a storage card. When MP3 files are detected, they will be added to the play list.

NOTE: You can create your own play list for future playback. (See next section for more information.)

3. To start the playback, tap . To control the playback, use the control buttons as described later.






















4. To exit the program, tap  at the bottom of the toolbar. You will return to the Main menu.

NOTE: When files are added to the play list, the play list is automatically saved when you exit MP3 Player.

MP3 Playback Control

You can control the MP3 Player via control buttons. See the table below for details:


Control Button	Name	Description
 or 	Play/Pause	Play or pause the playback.
	Stop	Stop the playback.
 or 	Previous/ Next	Move to the previous or next file.
 or 	Volume	Increase or decrease the volume. The indicator on the upper right corner of the panel will show the current volume level.
	Playback Mode	Cycle through the following modes: <ul style="list-style-type: none">  Repeat the current file  Repeat all (Default)  Single playback  Sampling playback
	Sequence	<ul style="list-style-type: none">  Normal sequence (Default)  Random sequence
	Open Play List	Open play list. (See Section 9.4 for more information.)

	Equalizer	Open or close the equalizer panel. (See Section 9.5 for more information.)
	Help	Introduce the function and operation of each icon. Tap an icon and a line of function description for that icon appears at the bottom of the screen.
	Close MP3 Player	Close MP3 player.

* When you restart the MP3 Player, both Play mode and Play sequence will return to its default settings.

9.4 Using Play List

Once the MP3 player is open, by default the system will automatically load all MP3 files in the play list. If you wish to create your own play list, follow the instructions below:

1. To create your own play list in MP3 Player, tap  on the right toolbar.
2. MP3 files detected in the storage card will appear in the play list.

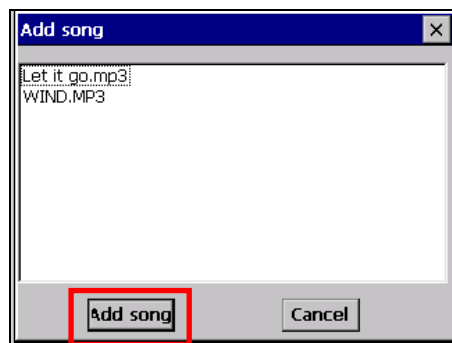




3. You can use the following buttons to add or delete songs in your play list:


≡  **Add Song**

Add a new song to your play list. Tap **Add Song** icon. The **Add Song** screen appears. Choose a song that you wish to add to your play list




and tap **Add Song** button at the bottom of the screen. The new song will appear in your play list.



- IR  **Delete Song**
Remove one song from your play list. Choose a song that you wish to delete and tap **Delete Song** icon.
- IR  **Delete All**
Remove all songs from your play list. Tap **Delete All** on the right toolbar. All songs in your play list will be removed.



4. To return to the control panel, tap  on the right toolbar.

9.5 Equalizer

The MP3 Player provides 17 presets for various music effects. Tap  to open the equalizer panel and tap  left button and  right button to access various preset audio profiles. Available options are *Default*, *blues*, *classical*, *club*, *dance*, *full bass*, *full bass & treble*, *full treble*, *dance hall*, *live*, *party*, *pop*, *reggae*, *rock*, *ska*, *soft*, *classic rock* and *techno*.



You can also manually adjust the equalizer by using your stylus pen to tap and hold a frequency slider and then move it up and down to adjust the volume level of that frequency range.

To close the equalizer panel and return to control panel, tap  on the right toolbar. To end the program, tap  at the bottom of the toolbar. You will return to the main menu.

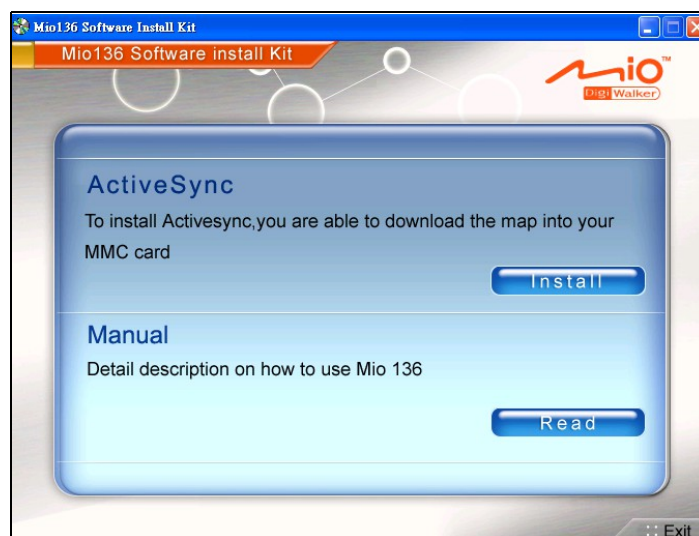
9

Using Application CD

This chapter provides you with the installation guides for ActiveSync. You will learn how to use ActiveSync to transfer the data from your computer to your device.

10.1 Using Application CD

To use this Application CD, turn on your computer and insert the Application CD into the CD-ROM drive of your computer. You will see auto run screen appears as shown below. (If it does not appear, double click the **AutoRun.EXE** file in the root directory of the CD.)



The Application CD provides you with two options:

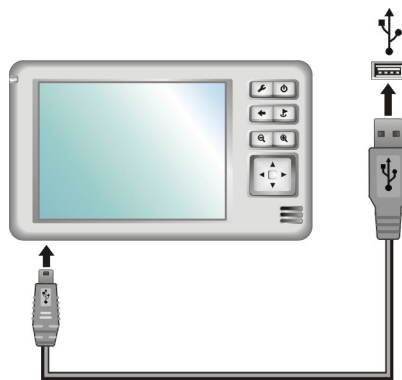
- **ActiveSync**
allows you to copy data such as MP3 files to your storage card.
- **Manual**
allows you to read this User's Manual.

10.2 Installing ActiveSync

ActiveSync allows you to establish a connection and transfer files (i.e. MP3 files) between your device and your computer.

| CAUTION: Do not connect your device to your computer before ActiveSync is installed.

1. Turn on your computer and your device.
2. Insert the Application CD into the CD-ROM drive of your computer. The auto run screen appears.
3. In the **ActiveSync** section, click the **Install** button. The installation wizard will start automatically.
4. Follow the onscreen instructions to finish the installation. A status window indicates the progress of the installation.
5. When prompted, connect the mini-USB end of the ActiveSync cable to the bottom of your device and the other end to a USB port on your computer.



6. The **New Partnership wizard** will start automatically. Select **Guest Partnership** to set up as a guest device with the computer.

NOTE: This device does not support synchronization with your computer. Therefore, you do not need to establish **Standard Partnership**.

7. When the connection is established, you can copy files from your computer to your device and the other way around. For example, you can copy MP3 files between your computer and the device.

CAUTION: Be discreet when you delete files. Deleting files for which you do not know the functions can cause programs or features to malfunction.

NOTE: For copying and transferring files, see “Copying and moving files” section in **Microsoft ActiveSync Help** on your computer.





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Part IV. References

Part IV gives you useful instructions on solving hardware or software problems and provides guidelines for maintenance. It also provides the regulatory information and the safety precautions for the device.

10 Troubleshooting and Maintenance

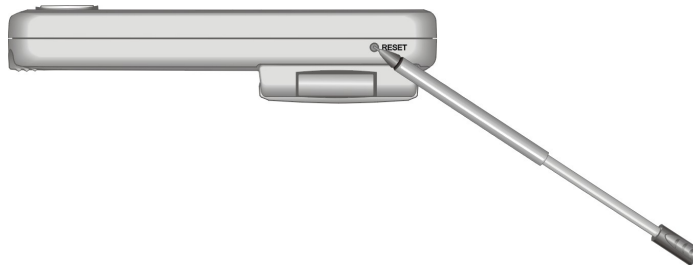
This chapter gives solutions to common problems you may encounter. It also provides guidelines on taking care of your device.

NOTE: If you encounter a problem you cannot solve, contact an authorized service center for assistance.

11.1 Resetting Your System

Resetting your system is similar to restarting your computer. Occasionally, you may need to reset your device. For example, you should reset your system when it stops responding; or appears to be “frozen” or “locked up.”

To reset your system, use the stylus pen to press the Reset button on top of your device.

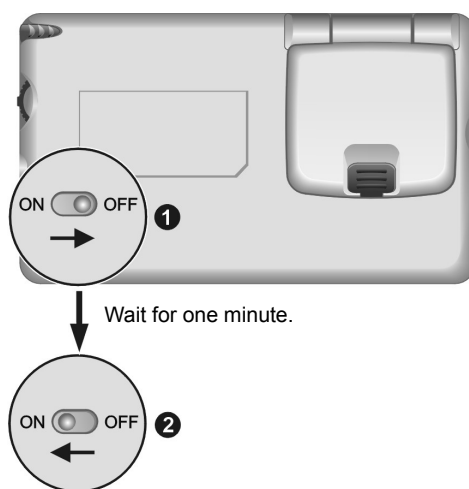


If your device still does not respond after being reset, you can use the following steps to clear the memory, and reset the system settings to factory defaults.

1. Disconnect all cables, including the AC adapter, from your device.

2. Use the stylus pen to slide the ON/OFF switch to the OFF (right) position.
3. Wait for 1 minute and then slide the switch back to the ON (left) position.
4. Your device will automatically turn on and the Main screen will appear.

NOTE: Once you clear the memory with this ON/OFF switch, all the settings you have changed in the System Settings will be erased. You will need to re-enter any personal settings, including time and date once again.



11.2 Troubleshooting

Power Problems

Power does not turn on when using battery power

- The remaining battery power may be too low to run your device. Connect the AC adapter to your device and to AC power. Then, turn on your device.

Screen Problems

Screen is off

If the screen does not respond even after you press the power button, try the following in order until the problem is solved:

- Connect the AC adapter to your device and to external AC power.
- Reset your system.

Screen responds slowly

- Make sure that your device is not running out of battery power. If the problem still exists, reset your system.

Screen freezes

- Reset your system.

Screen is hard to read

- Make sure that the backlight of the display is on.
- Move to a location with more light.

Inaccurate response to stylus pen taps

- Recalibrate the touch screen. (See “Calibration” in Section 3.3 for more information.)

Connection Problems

Cable Connection Problems

- Make sure that your device and your computer are both turned on before trying to establish a connection.
- Make sure that the cable is securely plugged into the USB port on your computer and on the device. Connect the USB cable directly to your computer—do not run the cable through a USB hub.

- Reset your device before connecting the cable. (See Section 11.1.) Always disconnect your device before you restart your computer.

GPS Problems

When there are no valid signals available, consider the following:

- Make sure that the GPS antenna is adjusted to the horizontal position (parallel to the ground) and it has a clear view of the sky.
- Note that the GPS reception can be affected by:
 - ✓ Bad weather.
 - ✓ Dense overhead obstacles (e.g. trees and tall buildings).
 - ✓ Other wireless device in the car.
 - ✓ Reflective car window tint.

11.2 Maintaining Your Device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage to your device.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- Take care not to sit on the device. We advise not to carry the device in one's back pocket for that reason.

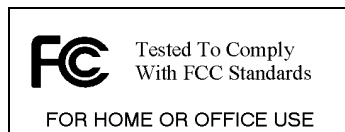
- The screen surface can easily be scratched. Use only the stylus to tap on the screen. Avoid touching it with your fingers, pens, pencils or any other sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your device with it powered on. Use a soft, lint-free cloth moistened with water to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.

A Regulatory Information

NOTE: Marking labels located on the exterior of your device indicate the regulations that your model complies with. Please check the marking labels on your device and refer to the corresponding statements in this chapter. Some notices apply to specific models only.

A.1 Regulations Statements

Class B Regulations



USA

Federal Communications Commission Radio Frequency Interference Statement

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Please note:

The use of a non-shielded interface cable with this equipment is prohibited.

Canada

Canadian Department Of Communications

Radio Interference Regulations Class B Compliance Notice

This Class B digital apparatus meets all requirements of the Canada Interference-Causing equipment regulations.

Cet appareil numérique de Classe B respecte toutes les exigences du Règlement Canadien sur le matériel brouilleur.

European Notice

Products with the CE marking comply with Radio & Telecommunication Terminal Equipment Directive (R&TTE) (1995/5/EEC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) – as amended by Directive 93/68/ECC - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

EN301489-1: Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

EN301489-3: Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz

EN55022: Radio disturbance characteristics

EN55024: Immunity characteristics

EN6100-3-2: Limits for harmonic current emissions

EN6100-3-3: Limitation of voltage fluctuation and flicker in low-voltage

supply system

EN60950 / IEC 60950: Product Safety

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

A.2 Safety Precautions

About Charging

- Use only the AC adapter (PHIHONG, PSC05R-050) supplied with your device. Use of another type of AC adapter will result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with “LPS”, “Limited Power Source” and output rated + 5 V dc / 1.0 A”.
- Use a specified battery in the equipment.

About the AC Adapter

- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands or feet are wet.
- Allow adequate ventilation around the adapter when using it to operate the device or charge the battery. Do not cover the AC adapter with paper or other objects that will reduce cooling. Do not use the AC adapter while it is inside a carrying case.
- Connect the adapter to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the adapter if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

About the Battery

- Use a specified charger approved by the manufacturer.

CAUTION: This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.

- Important instructions (for service personnel only)

✓

✓ Replace only with the same or equivalent type recommended by the manufacturer.

✓ The battery must be recycled or disposed of properly.

✓ Use the battery only in the specified equipment.

CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.